



Installation and operating instructions

AUS 3 - Automatic shower units surface-designed with a thermostatic valve

BASIC TECHNICAL DATA

Range:	sets automatically when switched on
Power voltage:	12 V, 50 Hz
Power input:	6 VA
Adjustable opening time:	5 – 100 s (set by manufacturer 15 s, step 5 s)
Water pressure:	0.1 – 1.0 MPa
Recommended power supply:	ZAC 1/20 (max. 3 x AUS3) ZAC 1/50 (max. 3 x AUS 3)
Weblink:	AUS 3

Function of automatic shower unit

- Water starts running after a brief shading of the sensor by a user's hand – the water input is controlled by an electromagnetic valve. Water stops running after repeated shading of the sensor. If no shading of the sensor takes place, water automatically stops running after laps of preconfigured period of the water flow. The output water temperature is set by means of a thermostatic valve. The thermostatic valve is equipped with a fuse at a temperature of 38°C; the higher temperature can be set only after it has been unlocked.

Installation

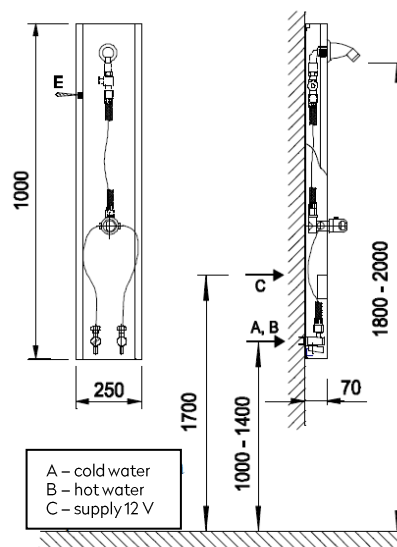
Construction preparation

- Water supply terminated with 1/2" internal thread, pitch 90 – 160 mm.
- It is recommended to install a **filter** in the water supply to the shower unit or group of shower units to remove mechanical impurities from the water
- Supply voltage via CYKY 2A x 1.5 cable from ZAC source to AUS 3 shower space.

Assembly

- Using the enclosed screws and dowels, fasten the supporting frame to the wall so that its upper edge is at a height of approx. 1900 mm.
- Screw the corner valves into the hot and cold water supply. Rotate their outlets so that to prevent connection hose breakage.
- Connect the red marked hose to the warm water and blue marked hose to the cold water.
- If connected incorrectly, the thermostatic valve will not work!**

Connect the power cable from the ZAC 12 V, 50 Hz power supply to the input terminals. Switch on the supply voltage, the indicator light in the electronics window flashes 6 times and then the sensitivity is automatically set, which is indicated by a fast flashing of the indicator light – max. 10 s. **When setting, there**





must be free space in front of the sensor – the sensor must not be shaded! If there is an obstacle in front of the shower unit before setting, the range will be small after it has been removed (the range has been automatically set to this obstacle).

It is necessary to turn the power off and on – the sensitivity will be set automatically.

5. Test the function of the shower unit by shading the sensing window at a distance of approx. 5 cm.
6. Hang the upper side of the cover on the frame, press the lower side against the wall and secure the cover by **unscrewing** the Allen screws.

Caution

- The AUS 3 automatic shower unit can only be connected to the ZAC power supply, otherwise the manufacturer does not accept liability for reliable operation and liability for any damage caused by connection to another power supply. The electrical connection may only be carried out by a person with the appropriate qualifications and professional competence. Before commissioning, an initial inspection of the electrical equipment must be carried out in accordance with the applicable standards. When running, the operator is obliged to perform regular inspections of electrical equipment.
- The run-down time (automatic water stop) can be set within 20 minutes after switching on using the remote control according to the operating instructions.
- The remote control is not included in the delivery, it can be used for all AZP products with optoelectronic sensors and must be ordered separately.

Delivered components

stainless steel casing	1 pc	electronics cabinet	1 pc
thermostatic valve	1 pc	corner valve	2 pcs
electromagnetic valve	1 pc	shower bath arm SP 4	1 pc
supporting frame	1 pc	flexible hose	3 pcs
screws	6 pcs	dowels	6 pcs

Troubleshooting

Failure	Possible cause	Remedy
No flashing when turned on	Unconnected power supply 230 V connection	Turn on the power Irreparably destroyed
Little water flow	Clogged filter	Clean the filter of corner valve
No water flow; the light does not flash when you bring your hand closer	Dirty sensor lens Small range	Clean the sensing window Turn the power off and on
The water is still flowing, while the electronics work properly	Impurities in the electromagnetic valve	Clean the valve
The electronics work properly, but the water does not flow	The device is connected to a switching source (e.g. for halogen lighting) – solenoid valves do not work at higher frequencies	Use the specified power supply



The water temperature cannot be set	Improperly connected thermostatic valve Impurities in the non-return valve at the inlet to the thermostatic valve	Connect it properly Disconnect the hose at the inlet to the valve and clean or replace the non-return valve
	Reduced one water flow – clogged filter of one valve, large pressure difference on hot and cold water	Clean the strainer, eliminate the cause of the pressure difference.
The water was only running for the set time, the light flashes	Obstacle in front of the sensing head – the electronics detect this obstacle	Remove this obstacle

Maintenance and cleaning

- The device was made from the stainless steel of quality corresponding with ČSN 17 240 (AISI 304) standard and, therefore, it must not be operated in chemically-aggressive environment and
- **Preparations containing chlorine must not be used for its cleaning!!**
- Cleaning agents by WÜRTH are recommended:
 - Metal renewal agent - Order No. 893 121 1
 - Stainless steel spray treatment - Order No. 0893 121 – K.
- If corrosion has already occurred, it can be removed with a cleaner INNOSOFT B 570 from the company Emergo.

Valve cleaning

- Unscrew the three screws holding the coil. Take off the coil, remove carefully the plastic core cover, (be careful not to lose the spring). Remove the membrane and clean the space under it. Check the permeability of both holes in the plastic centre of the diaphragm and assemble the valve. When reinstalling the valve, the direction of water flow must be observed – it is marked by an arrow on the valve.